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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/645,254	08/24/2000	Byung Taek Kim	CHUNP0155US	8529

7590 09/24/2003

Don W Bulson Esq
Renner Otto Boisselle & Sklar PLL
1621 Euclid Ave
19th Floor
Cleveland, OH 44115

EXAMINER

LEE, BENNY T

ART UNIT

PAPER NUMBER

2817

DATE MAILED: 09/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE

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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
09/645254			

EXAMINER	
ART UNIT	
PAPER NUMBER	
16	

DATE MAILED:

This is a communication from the examiner in charge of your application.

COMMISSIONER OF PATENTS AND TRADEMARKS

 This application has been examined Responsive to communication filed on 6 June 2003 This action is made final.A shortened statutory period for response to this action is set to expire Two (2) month(s), 16 days from the date of this letter. Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

1. <input type="checkbox"/> Notice of References Cited by Examiner, PTO-892.	2. <input type="checkbox"/> Notice re Patent Drawing, PTO-948.
3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449	4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152
5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474	6. <input type="checkbox"/>

Part II SUMMARY OF ACTION

1. Claims 1-10; 12 are pending in the application.

Of the above, claims _____ are withdrawn from consideration.

2. Claims _____ have been cancelled.3. Claims 1-10; 12 are allowed.4. Claims _____ are rejected.5. Claims _____ are objected to.6. Claims _____ are subject to restriction or election requirement.7. This application has been filed with informal drawings which are acceptable for examination purposes until such time as allowable subject matter is indicated.8. Allowable subject matter having been indicated, formal drawings are required in response to this Office action.9. The corrected or substitute drawings have been received on 16 May 2003. These drawings are acceptable; not acceptable (see explanation).10. The proposed drawing correction and/or the proposed additional or substitute sheet(s) of drawings, filed on 16 May 2003, has (have) been approved by the examiner; disapproved by the examiner (see explanation).11. The proposed drawing correction, filed _____, has been approved; disapproved (see explanation). However, the Patent and Trademark Office no longer makes drawing changes. It is now applicant's responsibility to ensure that the drawings are corrected. Corrections MUST be effected in accordance with the instructions set forth on the attached letter "INFORMATION ON HOW TO EFFECT DRAWING CHANGES", PTO-1474.12. Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has been received; not been received been filed in parent application, serial no. _____; filed on _____.13. Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.14. Other

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DETAILED ACTION

This application is in condition for allowance except for the following formal matters:

In the Specification:

The disclosure is objected to because of the following informalities: Note that in fig. 6B, reference labels (Cr1, Cr2, Cr3, C'r12, C'r23, R'r1, R'r2, R'r3, M'r12, M'r23) still need to be explicitly described relative to the Fig. 6 description. Appropriate correction is required.

In the Drawings:

The drawings are objected to because of the following: In fig.6, should reference label "414b" correctly be --414c--?; In fig. 6B, note that reference label "Cr2" should correctly be --C'r2--. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

In the Claims:

The examiner suggests the following changes to improve the form of the claims in a non-limiting manner. Applicants' are urged to adopt these changes such as to expedite prosecution:

In claim 1, lines 7, 12, note that "hole" should be rewritten as --holes-- at each occurrence for a proper characterization.

In claim 7, line 3, note that "a capacitance" should be rephrased as --an additional capacitance-- to avoid confusion with other recited "capacitances"; line 4, note that "the

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resonating hole" should be rephrased as --at least one first resonating hole-- and "first filtering area" should be rephrased as --first open area--, respectively for a proper characterization.

In claim 8, line 2, note that "along the resonating hole" should be deleted as being unnecessary.

In claims 9, 10, line 2 of each claim, note that --additional-- should precede "capacitance" for consistency with the suggested amendment to claim 7; line 3, note that "corresponding to the resonating hole" should be deleted as being unnecessary.

In claim 10, line 3, note that "said resonating hole" should be rephrased as --said at least one first resonating hole-- for consistency of description.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Claims 1-10; 12 are allowable over the prior art of record.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benny Lee whose telephone number is (703) 308 4902.

B. Lee


BENNY T. LEE
PRIMARY EXAMINER
ART UNIT 2817

September 12, 2003